

Claims

[c1] WHAT IS CLAIMED IS:

1. A flat female terminal for inserting in a printed circuit board for mounting electrical components comprising:
a body portion having two ends and two sides comprising; two resilient arms in spaced relationship located on one end of said body portion, said arms being beveled on their inner portion and said inner portion of each of said resilient arms facing each other;
at least one pin located on the end of said body portion opposite said two resilient arms said at least one pin being suitable for inserting into a complimentary bore on a printed circuit board, said at least one pin being further characterized as having a shape the end of which is dimensioned smaller than the complimentary bore of a printed circuit board and the base of said pin being dimensioned to provide a tight friction fit between said at least one pin and said complimentary bore on said printed circuit board; and
a support projection located on each side of said body portion suitable for interacting with a female terminal insertion tool for mounding said female terminals in a printed circuit board.

- [c2] 2.A flat female terminal according to Claim 1 wherein, said at least one pin has a width slightly larger than the diameter of a complimentary bore on a circuit board.
- [c3] 3.A flat female terminal according to Claim 2 wherein, said at least one pin is beveled on the end.
- [c4] 4.A flat female terminal according to Claim 1 wherein, a plurality of said flat female terminals are connected in a ribbon by the projection areas of said body portions forming a continuous coil-shaped wound band of said flat female terminals.
- [c5] 5.A flat female terminal according to Claim 4 wherein, said projections are formed by cutting a single flat female terminal from a strip of connected flat female terminals.
- [c6] 6.A flat female terminal according to claim 1 wherein, said terminal has one pin.
- [c7] 7.A flat female terminal according to claim 1 wherein, said at least one pin comprises a plurality of pins the number of which is based on the electrical current load to be carried by said pins.
- 8.A flat female terminal according to claim 1 wherein, the distance of the spaced relationship between said

arms is selected according to the type of component to be inserted between them.

[c8] 9.A flat female terminal according to claim 1 wherein, said terminal is comprised of a material having a desired resiliency and a desired electrical conductivity.

[c9] 10.A flat female terminal for inserting in a printed circuit board for mounting electrical components comprising:
a body portion having two ends and two sides comprising; two resilient arms in spaced relationship located on one end of said body portion, said arms being beveled on their inner portion and said inner portion of each of said resilient arms facing each other;
at least one pin located on the end of said body portion opposite said two resilient arms said at least one pin being suitable for inserting into a complimentary bore on a printed circuit board, said at least one pin being further characterized as having a shape the end of which is dimensioned smaller than the complimentary bore of a printed circuit board and the base of said pin being dimensioned to provide a tight friction fit between said at least one pin and said complimentary bore on said printed circuit board; a support projection located on each side of said body portion suitable for interacting with a female terminal insertion tool for mounding said female terminals in a printed circuit board; and

a shoulder located on each side of said body portion at said end having said at least one pin mounted thereto having a dimension greater than the base of said at least one pin and less than the dimension of said support projection thereby providing a space between the printed circuit board and said support projections allowing for the introduction of conductor bridges and the like.

[c10] 11.A flat female terminal according to Claim 10 wherein, said at least one pin has a width slightly larger than the diameter of a complimentary bore on a circuit board.

[c11] 12.A flat female terminal according to Claim 11 wherein, said at least one pin is beveled on the end.

[c12] 13.A flat female terminal according to Claim 10 wherein, a plurality of said flat female terminals are connected in a ribbon by the projection areas of said body portions forming a continuous coil-shaped wound band of said flat female terminals.

[c13] 14.A flat female terminal according to Claim 13 wherein, said projections are formed by cutting a single flat female terminal from a strip of connected flat female terminals.

[c14] 15.A flat female terminal according to claim 10 wherein, said terminal has one pin.

[c15] 16.A flat female terminal according to claim 10 wherein, said at least one pin comprises a plurality of pins the number of which is based on the electrical current load to be carried by said pins.

[c16] 17.A flat female terminal according to claim 10 wherein, the distance of the spaced relationship between said arms is selected according to the type of component to be inserted between them.

[c17] 18.A flat female terminal according to claim 10 wherein, said terminal is comprised of a material having a desired resiliency and a desired electrical conductivity.